BRUHAT BENGALURU MAHANAGARA PALIKE

Tender Name: Construction of RCC culverts & remodeling of U Shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli Ward No.15

Sl. No		Description of work	Unit	No	Dimensions L	B	D	Quantity
		Premeasurments Countd. On : 05/06/2019						
6	BOQ No-8	Providing and filling in Foundation with **granite/trap broken metal 100mm** . And down size, with approved sand including hand packing, ramming , watering, including cost of all materials and labours with all lead and lift. Complete as per specifications including all lead and as per the directions of engineer in charge of work.						
		Description of work	**Unit**	**No**	**L**	**B**	**D**	**Quantity**
		Old exsting drain portion filling		1	15.00	1.5	0.45	10.13
				1	15.00	1.5	0.45	10.13
				1	15.00	1.5	0.45	10.13
			CHFC	1	8.95	1.5	0.45	6.04
							Total quantity	**36.42**

CONSULTING ENGINEERS BENGALURU PMC

Babbal 05/06/2019
Assistant Engineer,
SWD Dasarahalli Zone,BBMP.

Assistant Executive Engineer,
SWD Dasarahalli Zone,BBMP.

		Premeasurments Countd. On : 24/06/19						
8	BOQ No-10	KSRRB M2100-10 - Plain Cement Concrete **M10 with OPC** cement @ 220 kgs, with crushed 40mm and down size graded metal coarse aggregates @0.84 cum and fine aggregates @ 0.56cum, in foundation mechanically mixed placed in foundation and compacted by vibration including curing for 14 days complete as per specifications MORTH Specification No.2100 with all leads and lifts as directed by the engineer in charge of the work						
		Description of work	**Unit**	**No**	**L**	**B**	**D**	**Quantity**
		Road pcc for module house						
		Road pcc		1	30.00	4.50	0.15	20.25
		Road pcc	CHFC	1	23.95	4.50	0.15	16.17
		Deduction		-1	53.95	2.40	0.15	-19.42
							Total quantity	**16.99**

CONSULTING ENGINEERS BENGALURU PMC

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BRUHAT BENGALURU MAHANAGARA PALIKE

Tender Name: Construction of RCC culverts & remodeling of U Shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli Ward No.15

Sl. No		Description of work	Unit	No	Dimensions			Quantity
					L	B	D	
	Premeasurments Countd. On : 29/06/2019							
33	E-15	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3						
			Cum	1	35.50	0.90	0.70	22.37
							Sub Total	22.37

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29/6/2019

Assistant Executive Engineer,
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BRUHAT BENGALURU MAHANAGARA PALIKE

Tender Name: Construction of RCC culverts & remodeling of U Shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli Ward No.15 29/6/2019

Sl. No		Description of work	Unit	No	Dimensions			Quantity
					L	B	D	
8	BOQ No-10	KSRRB M2100-10 - Plain Cement Concrete **M10 with OPC** cement @ 220 kgs, with crushed 40mm and down size graded metal coarse aggregates @0.84 cum and fine aggregates @ 0.56cum, in foundation mechanically mixed placed in foundation and compacted by vibration including curing for 14 days complete as per specifications MORTH Specification No.2100 with all leads and lifts as directed by the engineer in charge of the work						
		Description of work	**Unit**	**No**	**Dimensions**			**Quantity**
					L	**B**	**D**	
		Module house small drain						
		Drain Bed	Cum	1	35.50	1.00	0.15	5.33
							Total quantity	**5.33**

BVH CONSULTING ENGINEERS BENGALURU PMC

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BRUHAT BENGALURU MAHANAGARA PALIKE

Tender Name: Construction of RCC culverts & remodeling of U Shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli Ward No.15

Sl. No.		Description of work	Unit	No	Dimensions L	B	D	Quantity
		Premeasurments Countd. On : 04/03/2019						
22	E-4	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.						
		Ward Drain Raft						
		Road side drain	Cum	1	35.50	0.90	0.15	4.79
							Total quantity	4.79
		Premeasurments Countd. On : 05/03/2019						
22	E-4	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.						
		Ward Drain WALL						
		Road side drain	Cum	2	35.50	0.15	0.60	6.39
							Total quantity	6.39

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PMC

Rakesh 05/03/2019

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SWD Dasarahalli Zone,BBMP

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BRUHAT BENGALURU MAHANAGARA PALIKE

Tender Name: Construction of RCC culverts & remodeling of U Shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli Ward No 15

Sl No		Description of work	Unit	No	Dimensions			Quantity
					L	B	D	
		Premeasurments Countd. On : 04/07/2019						
33	E-15	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1: Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3						
				1	46.80	0.90	0.70	29.48
							Sub Total	**29.48**

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Babloh 04/7/2019

Assistant Engineer
SWD Dasarahalli Zone,BBMP

Assistant Executive Engineer
SWD Dasarahalli Zone,BBMP

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BRUHAT BENGALURU MAHANAGARA PALIKE

Tender Name: Construction of RCC culverts & remodeling of U Shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli Ward No.15

Sl. No		Description of work	Unit	No	Dimensions			Quantity
					L	B	D	
		Premeasurments Countd. On : 5/07/2019						
8	BOQ No-10	KSRRB M2100-10 - Plain Cement Concrete **M10 with OPC** cement @ 220 kgs, with crushed 40mm and down size graded metal coarse aggregates @0.84 cum and fine aggregates @ 0.56cum, in foundation mechanically mixed placed in foundation and compacted by vibration including curing for 14 days complete as per specifications MORTH Specification No.2100 with all leads and lifts as directed by the engineer in charge of the work						
		Description of work	**Unit**	**No**	**Dimensions**			**Quantity**
					L	**B**	**D**	
		Module house small drain						
			Chief	1	37.80	1.00	0.15	5.67
				1	9.00	1.00	0.15	1.35
							Total quantity	**7.02**

BVH CONSULTING ENGINEERS BENGALURU PMC

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3/7/19

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Premeasurement counted on 01/07/2019 - 06/07/2019

Name of Work	**Construction of RCC culverts & remodeling of U Shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli Ward No.15**
BOQ-20	Supplying,fitting and placing **TMT** bar reinforcement in sub-structure complete as per drawing ,and technical specifications complete as per specifications. **TMT Bars Fe 500** all leads and lifts as directed by the Engineer in charge of the work

SL No.	DESCRIPTION	Shape of Bar	Dia of Bar	Spacing (M)	Nos		Cut Length	Total Length in (M) 10	12	16	32
	U-Shape										
	Road side Drain										
	Small drain										
	Length = 35.50										
	Raft Bottom Bar		**12**	0.15	1	**238**	1	2.25	-	535.50	-	-
	Dirtribution		**10**	0.20	1	**1**	12	35.50	426.00	-	-	-
	Length = 46.80										
	Raft Bottom Bar		**12**	0.15	1	**313**	1	2.25	-	704.25	-	-
	Dirtribution		**10**	0.20	1	**1**	12	46.80	561.60	-	-	-
								Total Length (Rmt)	987.60	1,239.75	-	-
								Unit weight of bar	0.617	0.888	1.567	6.310
								Total quantity in KG	609.350	1,100.900	-	-
								1710.25 **Sub quantity**	1.71 Tonne			

Assistant Engineer
BBMP- SWD, Dasarahalli Zone
Bengaluru
6/7/2019

Assistant Executive Engineer
BBMP- SWD, Dasarahalli Zone
Bengaluru

B.V.K. CONSULTING ENGINEERS

Jayaram.K.

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BRUHAT BENGALURU MAHANAGARA PALIKE

Tender Name: Construction of RCC culverts & remodeling of U Shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli Ward No.15

Sl. No		Description of work	Unit	No	Dimensions L	Dimensions B	Dimensions D	Quantity
		Premeasurments Countd. On : 08/07/2019						
22	E-4	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.						
		Ward Drain Raft						
		Road side drain		1	37.80	0.90	0.15	5.10
		Road side drain	check	1	9.00	0.90	0.15	1.22
							Total quantity	**6.32**

PMC

Assistant Engineer,
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08/07/19

Assistant Executive Engineer,
SWD Dasarahalli Zone,BBMP.

Sl. No		Description of work	Unit	No	Dimensions L	Dimensions B	Dimensions D	Quantity
		Premeasurments Countd. On : 8/07/2019						
22	E-4	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.						
		Ward Drain WALL						
		Road side drain		2	37.80	0.15	0.60	6.80
		Road side drain	check	2	9.00	0.15	0.60	1.62
							Total quantity	**8.42**

PMC

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BRUHAT BENGALURU MAHANAGARA PALIKE

Tender Name: Construction of RCC culverts & remodeling of U Shape drain for secondary SWD 5 Ramesh road to Urdu school in Dasarahalli Ward No 15

Sl. No		Description of work	Unit	No	Dimensions			Quantity
					L	B	D	
	Measurements Created On : 12/04/19							
20	E-1	cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading danger lighting etc., to the Asphalt surface road including cost of materials labour HOM complete as per specification (P20/17-18)						
			Cum	1	14.00	1.50	0.11	12.60
								12.60

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Assistant Engineer
SWD Dasarahalli Zone BBMP

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SWD Dasarahalli Zone BBMP

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Tender Name: Construction of RCC culverts & remodeling of U Shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli Ward No.15

Sl. No		Description of work	Unit	No	Dimensions			Quantity
					L	B	D	
		Measurments Countd. On : 29/06/2019						
26	E-7	KSRB 12-3.1 : Providing and laying in position plain cement concrete of mix M 7.5 using 40mm and down size graded granite / trap metal for haunching of 230mm internal diameter stoneware pipes, concrete machine mixed laid in layers not exceeding 15 cms thick, well compacted, including cost of materials, labour charges, form work, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1 / 4.2						
		Saintary	Rmt	1	37.40			37.40
			Rmt	1	47.00			47.00
							Sub Total	**84.40**

EVK CONSULTING ENGINEERS BENGALURU PMC

Assistant Engineer,
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29/6/19

Assistant Executive Engineer,
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BRUHAT BENGALURU MAHANAGARA PALIKE

Tender Name: Construction of RCC culverts & remodeling of U Shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli Ward No.15

Sl. No		Description of work	Unit	No	Dimensions L	B	D	Quantity
		Measurments Countd. On : 08/06/2019						
27	E-8	KSRB 12-5.1 : Constructing brick masonry circular type manhole 0.91 m internal dia at bottom 0.91m deep and 0.56m dia at top with table moulded non-modular bricks of 50 class designation 50 in cement mortar 1:4, inside cement plastered 12mm thick with cement mortar 1:3, finished with a floating coat of near cement, foundation concrete M 10 using 40mm and downsize granite metal and making necessary channel in cement concrete M 50 with 20mm and downsize granite metal finished with a floating coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diametre confirming IS : 12592, total weight cover and frame to be not less than 182 kg, fixed in cement concrete 1:2:4, 20mm and downsize broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM of mechineries complete as per specifications. (Excavation, footrests and 12mm thick cement plaster on the external surface shall be paid separately)Specification No. KBS 12.4						
			No	2	1.00			2
							Sub Total	2

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		Measurments Countd. On : 07/06/2019						
28	E-9	KSRB 12-8.3 : Constructing brick masonry inspectlori chamber 600x850mm, and 450mm depth, (clear inside dimension) for pipeline with three or more inlets, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover With frame (light duty) 455x610mm internal dimensions, total weight of cover1 with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finished smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications.						
			No	3	1.00			3
							Sub Total	3

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8/6/19

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BRUHAT BENGALURU MAHANAGARA PALIKE

Tender Name: Construction of RCC culverts & remodeling of U Shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli Ward No.15

Sl. No		Description of work	Unit	No	Dimensions			Quantity
					L	B	D	
	Measurments Countd. On :			01/06/2024				
29	E-10	KSRB 12-8.3.1 : Extra for item no. KSRB 12-8.3 depth beyond 450mm and brick masonry chamber with table moulded non-modular bricks of class designation 50 in cement mortar 1:5 for every 150mm depth or part thereof including cost of materials, labour charges, curing complete as per specifications						
			No	3	4.00			12
							Sub Total	12

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BRUHAT BENGALURU MAHANAGARA PALIKE

Tender Name: Construction of RCC culverts & remodeling of U Shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli Ward No.15

Sl. No		Description of work	Unit	No	Dimensions L	B	D	Quantity
		Measurments Countd. On : 11/06/2019						
30	E-11	KSRB 13-9.1 : Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure 63mm outside diameter raising mains & exposed distribution pipes with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications						
			Mtr	1	50.00			50.00
							Sub Total	**50.00**

PMC

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11/6/19

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SWD Dasarahalli Zone,BBMP.

		Measurments Countd. On : 11/06/2019						
31	E-12	Providing and fixing Chorinated Poiy Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete, (internal work exposed on wall) 20mm nominal OD pipes						
			Mtr	14	6.00			84.00
							Sub Total	**84.00**

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